

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091624\  
 Data File : VD079840.D  
 Acq On : 16 Sep 2024 11:21  
 Operator : RP/MD  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025907

Quant Time: Sep 17 04:20:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 13 23:49:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 154807   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 153993   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 75551    | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 140180   | 20.824   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 83.280%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 118147   | 22.168   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 88.680%  |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65    | 26418    | 21.615   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 86.480%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 28061    | 44.866   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 89.740%  |
| 24) Chloroform-d              | 7.563  | 84    | 126805   | 24.919   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 99.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 67501    | 25.367   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 101.480% |
| 32) Benzene-d6                | 8.199  | 84    | 269612   | 24.799   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 99.200%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 84334    | 25.328   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 101.320% |
| 41) Toluene-d8                | 10.269 | 98    | 255967   | 26.756   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 107.040% |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 35398    | 24.727   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 98.920%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 27487    | 50.641   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 101.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84    | 63199    | 25.829   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 103.320% |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 71333    | 25.036   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 100.160% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 59940    | 20.306   | ug/L  | 96       |
| 3) Chloromethane              | 2.146  | 50    | 104978   | 20.287   | ug/L  | 97       |
| 5) Vinyl chloride             | 2.287  | 62    | 132194   | 20.848   | ug/L  | 99       |
| 6) Bromomethane               | 2.693  | 94    | 79226    | 24.814   | ug/L  | 100      |
| 8) Chloroethane               | 2.840  | 64    | 90900    | 21.698   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 100280   | 21.995   | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969  | 101   | 56697    | 22.467   | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 51574    | 21.942   | ug/L  | 93       |
| 13) Acetone                   | 4.016  | 43    | 31839    | 41.755   | ug/L  | 78       |
| 14) Carbon disulfide          | 4.269  | 76    | 160859   | 21.039   | ug/L  | 98       |
| 15) Methyl Acetate            | 4.564  | 43    | 28173    | 23.195   | ug/L  | 95       |
| 16) Methylene chloride        | 4.805  | 84    | 66065    | 21.598   | ug/L  | 89       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 58359    | 23.286   | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 130935   | 23.224   | ug/L  | # 81     |
| 19) 1,1-Dichloroethane        | 6.111  | 63    | 117439   | 23.591   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 66130    | 23.965   | ug/L  | 97       |
| 22) 2-Butanone                | 7.081  | 43    | 38319    | 42.840   | ug/L  | 97       |
| 23) Bromochloromethane        | 7.434  | 128   | 28533    | 24.362   | ug/L  | 94       |
| 25) Chloroform                | 7.599  | 83    | 128925   | 24.879   | ug/L  | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091624\  
 Data File : VD079840.D  
 Acq On : 16 Sep 2024 11:21  
 Operator : RP/MD  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025907

Quant Time: Sep 17 04:20:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 13 23:49:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 77081    | 24.337 | ug/L   | 97       |
| 29) Cyclohexane               | 7.875  | 56   | 85262    | 22.384 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 99174    | 23.626 | ug/L   | 100      |
| 31) Carbon tetrachloride      | 7.993  | 117  | 90467    | 24.325 | ug/L   | 99       |
| 33) Benzene                   | 8.252  | 78   | 273591   | 23.860 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 63549    | 23.985 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.275  | 83   | 95586    | 22.355 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.299  | 63   | 76888    | 24.587 | ug/L # | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 90488    | 24.834 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 110453   | 25.153 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 77736    | 47.488 | ug/L   | 100      |
| 42) Toluene                   | 10.334 | 91   | 305205   | 25.269 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 97515    | 25.198 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.728 | 97   | 53989    | 25.270 | ug/L   | 92       |
| 46) Tetrachloroethene         | 10.810 | 164  | 44675    | 24.836 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.922 | 43   | 62263    | 46.761 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.069 | 129  | 58509    | 25.090 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 45901    | 24.874 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.604 | 112  | 182707   | 25.206 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.681 | 91   | 324070   | 25.541 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.793 | 106  | 123339   | 25.664 | ug/L   | 96       |
| 54) o-Xylene                  | 12.122 | 106  | 119957   | 25.457 | ug/L   | 93       |
| 55) Styrene                   | 12.134 | 104  | 222370   | 26.851 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 63088    | 25.192 | ug/L # | 93       |
| 59) Bromoform                 | 12.293 | 173  | 32784    | 25.137 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 318227   | 24.397 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 43112    | 23.215 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 243175   | 25.491 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 243817   | 24.372 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 133283   | 24.726 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 137993   | 24.406 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 118274   | 24.276 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 8973     | 23.615 | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 76210    | 23.317 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 60732    | 22.069 | ug/L   | 96       |
| 71) Naphthalene               | 15.328 | 128  | 140142   | 22.801 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 57502    | 23.360 | ug/L   | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091624\  
Data File : VD079840.D  
Acq On : 16 Sep 2024 11:21  
Operator : RP/MD  
Sample : VSTDCCC025  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025907

Quant Time: Sep 17 04:20:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Sep 13 23:49:48 2024  
Response via : Initial Calibration

